

CLAIM AMENDMENTS

1-19. (Cancelled)

20. (Currently Amended) A collaborative object architecture comprising:
a server system adapted to execute at least one pod having a plurality of constituent parts; and
at least one client system coupled to the server system, wherein the at least one client system is adapted to execute at least one applet having a plurality of constituent parts, the pod and the ~~applets~~applet together comprising a collaborative object, wherein the pod plurality of constituent parts correspond to the applet plurality of constituent parts such that a change to one of the applet plurality of constituent parts causes a change to a corresponding constituent part in the pod.

21. (Previously presented) The collaborative object architecture of claim 20, wherein the at least one client system receives input, generates one or more messages to the pod in response to the input, and applies the input locally without waiting for a response from the pod.

22. (Previously presented) The collaborative object architecture of claim 20, wherein the pod is adapted to receive message packets from an applet, determine an order in which to process the received message packets and communicate data from processing to other applets such that the other applets receive the data from messages originating at the pod.

23. (Previously presented) A method comprising:
executing a pod having a first plurality of constituent parts on a server system coupled to at least one client adapted to execute an applet having a second plurality of constituent parts;
receiving, at the pod, at least one message from one of the second plurality of constituent parts indicating a change to data controlled by the first plurality of constituent parts;
processing the at least one message by the pod, such that a change to one of the second plurality of constituent parts causes a change to a corresponding constituent part in the first plurality of constituent parts.
24. (Previously presented) The method of claim 23 further comprising the step of determining an order in which to process the received at least one message.
25. (Currently Amended) The method of claim 24 further comprising the step of communicating data resulting from the processing to ~~the~~ another client adapted to execute a second applet having a third plurality of constituent parts, wherein the first applet continues execution prior to processing the at least one message.
26. (Currently Amended) A computer readable medium having stored thereon sequences of instructions which when executed cause one or more electronic systems to:
execute a pod having a first plurality of constituent parts on a server system coupled to at least one client adapted to execute ~~an~~ a first applet having a second plurality of constituent parts;
receive, at the pod, at least one message from at least one of the second plurality of constituent parts indicating a change to data controlled by the first plurality of constituent parts; and

process the at least one message by the pod such that changes to at least one of the second plurality of constituent parts cause changes to a corresponding constituent part in the first plurality of constituent parts.

27. (Previously presented) The computer-readable medium of claim 26 wherein the sequences of instructions further comprise sequences of instructions for determining an order in which to process the received at least one message.

28. (Previously presented) The computer-readable medium of claim 26 wherein the sequences of instructions further comprise sequences of instructions for communicating data resulting from the processing to a second applet, wherein the first applet continues execution prior to processing of the at least one message.

29. (Currently amended) A method comprising:
receiving an input that indicates to change data controlled by at least one of a first plurality of constituent parts;
processing the input by a pod such that changes to at least one of the plurality of constituent parts cause changes to a ~~second~~-corresponding second plurality of constituent parts in the pod; and
sending at least one message indicating a change to data controlled by the first plurality of constituent parts to a third plurality of constituent parts having constituent parts corresponding to the first and second constituent parts.

30. (Previously presented) The method of claim 29 wherein the pod determines an order in which to process the received at least one message and communicates the change to at least a second plurality of constituent parts.

31. (New) A collaborative object architecture comprising:
a server system adapted to execute a pod having pod constituent parts; and

a plurality of client systems for executing applets having applet constituent parts, the pod constituent parts corresponding to the applet constituent parts such that a change to an applet constituent parts causes a change to a corresponding pod constituent part

wherein an applet sends a message to the pod with a notification of a change to the applet and applies the change locally without waiting for a response from the pod and wherein the pod receives the notification of the change and communicates data resulting from processing the notification of the changes to multiple applets.

32. (New) The architecture of claim 31, wherein the applet sends a message packet to the pod comprising multiple messages, and further wherein the messages are optimized to reduce non-essential data included in each message.

33. (New) The architecture of claim 31, wherein data controlled by the pod is serialized and stored on a data storage device if a message is not received by the pod for a preselected period of time.

34. (New) The architecture of claim 31 wherein the pod receives messages from the applet and communicates the messages to additional applets.

35. (New) A computer-readable medium containing instructions for controlling a server system to perform a method comprising:

executing a pod with pod constituent parts, the server system for communicating with a first client system having a first applet with first applet constituent parts and communicating with a second client system having a second applet with second applet constituent parts;

receiving, at the pod, a message from a first applet constituent part indicating a change to data controlled by a corresponding pod constituent part;

receiving, at the pod, a message from a second applet constituent part indicating a change to data controlled by a corresponding pod constituent part; and
processing, at the pod, the messages by communicating a set of data resulting from the processing to the first applet constituent part and the second applet constituent part, wherein the first and second applets continue execution prior to processing the messages by the server system.

36. (New) The computer-readable medium of claim 35 wherein receiving a message comprises receiving a packet having multiple messages indicating changes to data controlled by a pod constituent part.

37. (New) The computer-readable medium of claim 35 wherein messages are optimized to reduce non-essential data included in each message.

38. (New) A computer-readable medium containing instructions for controlling a client system to perform a method comprising:
executing an applet having applet constituent parts;
receiving an input that indicates a change to data controlled by an applet constituent part;
applying the input to the data controlled by the applet constituent part;
sending a message indicating the change to a pod having a pod constituent part corresponding to the applet constituent part, wherein the pod determines an order in which to process received messages and communicates the change to other applets; and
continuing to execute the applet without waiting for a response from the pod.

39. (New) The computer-readable medium of claim 38 wherein messages are optimized to reduce non-essential data included in each message.

40. (New) The computer-readable medium of claim 38 further comprising:
receiving an update from the pod indicating changes to the data;
transforming the update, if necessary, based on the state of the pod when the
update is generated; and
modifying the data based on the update.

TITLE AMENDMENT

Please amend the title as below:

COLLABORATIVE OBJECT ARCHITECTURE USING PODS AND APPLETS